

CTR-133113

PROGRESS REPORT NO. 6, MAY 1, 1973

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ERTS 1 PROPOSAL MMC NO. 204

CONTRACT NO. NAS5-21747

TITLE: "To Map the Distribution of Glaciofluvial Deposits and Associated
Glacial Landforms"; GSFC ID ST 354

BY: Raymond G. Woodman, Principal Investigator

PROBLEMS: Delays in receiving ERTS imagery products have hindered progress;

9 x 9" positive transparencies, for use in the Diazo process, and color
products ordered 15 March have not been received to date. Color products
ordered from the G.E. facility at Beltsville, Maryland, have not been
received.

ACCOMPLISHMENTS: The March 5 - 9 ERTS Symposium at New Carrollton, Maryland,
was attended. The Goddard User Facilities were utilized the evening of
March 6, at which time several 35 mm slides were made of various image
composites projected on I₂S view screen. These slides have been received
and will be studied further. The Spectral Data Corp. multispectral viewer
at the University of Vermont in Burlington was made available for use by
myself and Mr. Ernest Stoeckeler, P. I of MMC Nos. 203 and 205, on March
28 and 29. We were able, for the first time, to try various imagery -
filter - color - intensity combination projections. Several slides of
select images and portions of images made from the view screen are currently
being analyzed. It is proposed to visit the Vermont facilities at least
one more time. Experimentation with the Diazo process is currently underway
to determine optimum exposure and development techniques for generating in-
house color products. Some success has been achieved using this very
inexpensive method, but 9 x 9" NASA transparencies are necessary to produce
usable products.

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(E73-10745) TO MAP THE DISTRIBUTION OF
GLACIOFLUVIAL DEPOSITS AND ASSOCIATED
GLACIAL LANDFORMS Progress Report, 1
May 1973 (Maine Dept. of Transportation,
Augusta.) 2 p HC \$3.00

Several good black and white ERTS winter scenes have been received since the last reporting period. ERTS investigator Dr. Simpson of Dartmouth was visited in March, as was the CRREL facility in Hanover, New Hampshire. About a half day was spent with each, observing their various ERTS - related tasks and instrumentation. U-2 mission photography obtained 27 and 31 January, 1972, was received and is currently being studied.

PLAN FOR NEXT PERIOD: U-2 mission photography flown in March has not yet been delivered. This coverage overlaps some previous U-2 photography but is mainly new coverage. A proposed mission for May will provide additional new coverage. Time will be allotted to the study of this photography and new ERTS imagery. Work with the Diazo process will continue, dependent upon receipt of retrospectively ordered products. Hopefully, the final phase of the proposal objectives will be started.